

Click Counter Challenge

Introduction

Click counter is an app where many clients are presented with a button and label like this (vertical view and/or horizontal view):



The label is supposed to represent the total number of times all users clicked the button, i.e., the label is a counter for all the clicks in the system and the button is the incrementer. The behaviour should consist of the following:

- There's an UI composed by a button and a label, as per the image above
- When a user pushes the button, all other users connected to the system will see the label updated in real time with the new counter value
- The value of the counter is incremented every time an user pushes the button
- Each time the app is started (or restarted), the label value should already show the total amount of clicks so far

Task

You should create a Spring-Boot 2.0 (<https://spring.io>) based API that supports this system, as well as the client app to test it. We suggest a simple web app, but you can implement whatever you want. Even a command line application will do.

Deliveries:

- Client app source code hosted on a github public repo
- Backend source code hosted on a github public repo
- Backend deployed, up and running and publicly accessible somewhere
- Use Swagger to generate appropriate documentation for the API, <https://swagger.io>

Notes:

- you may use any extra services, APIs or frameworks you find suitable to the purpose